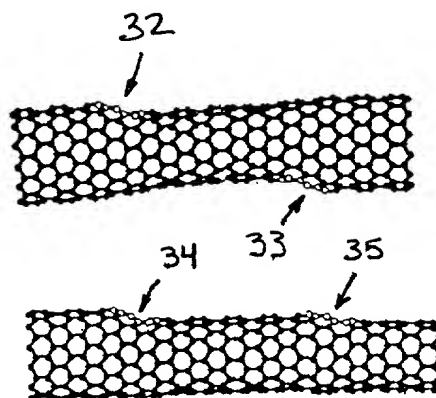


Figure 1



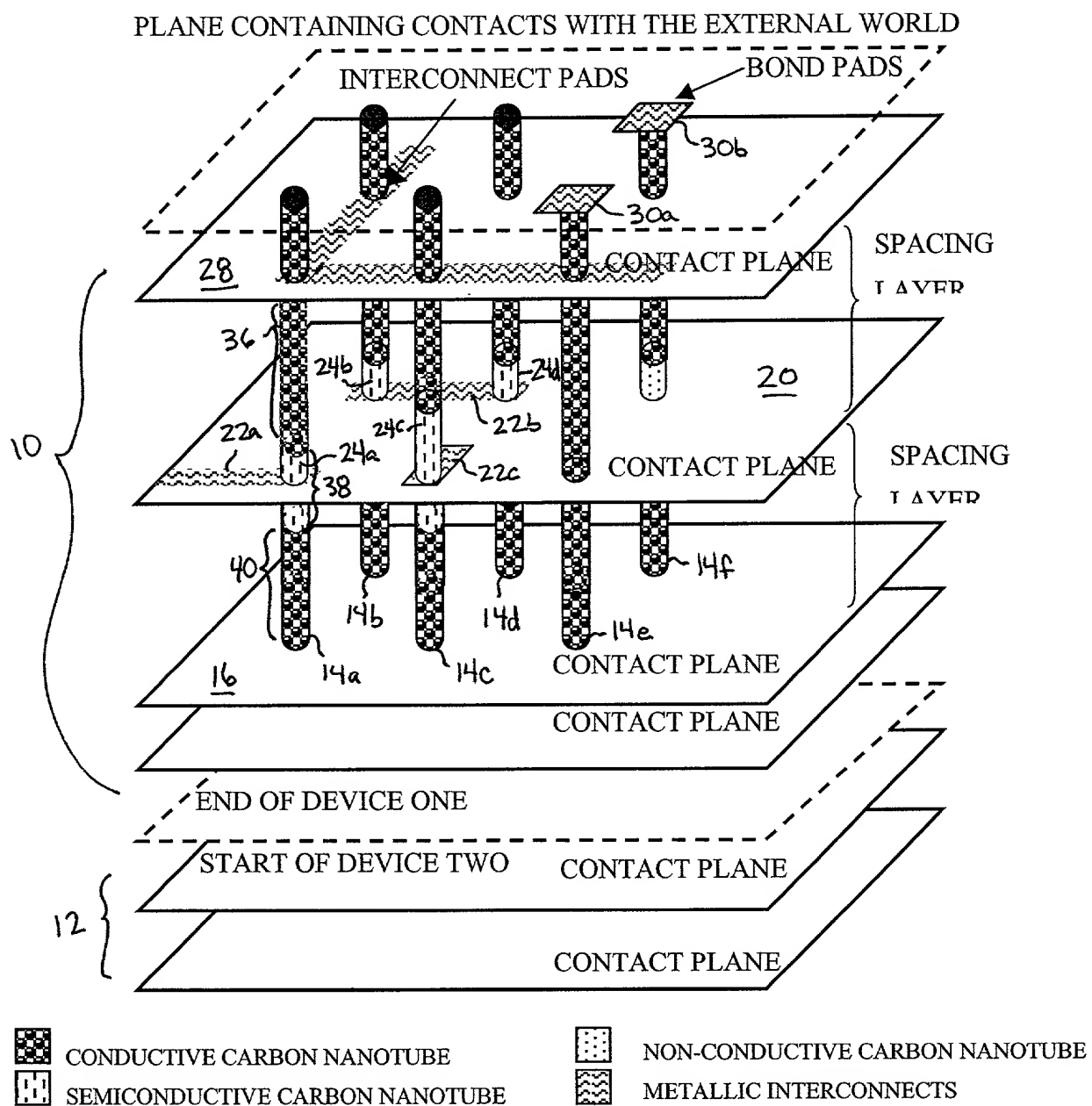


Figure 2

## FABRICATION/SYNTHESIS PROCESSES AND DESIGN ARCHITECTURE

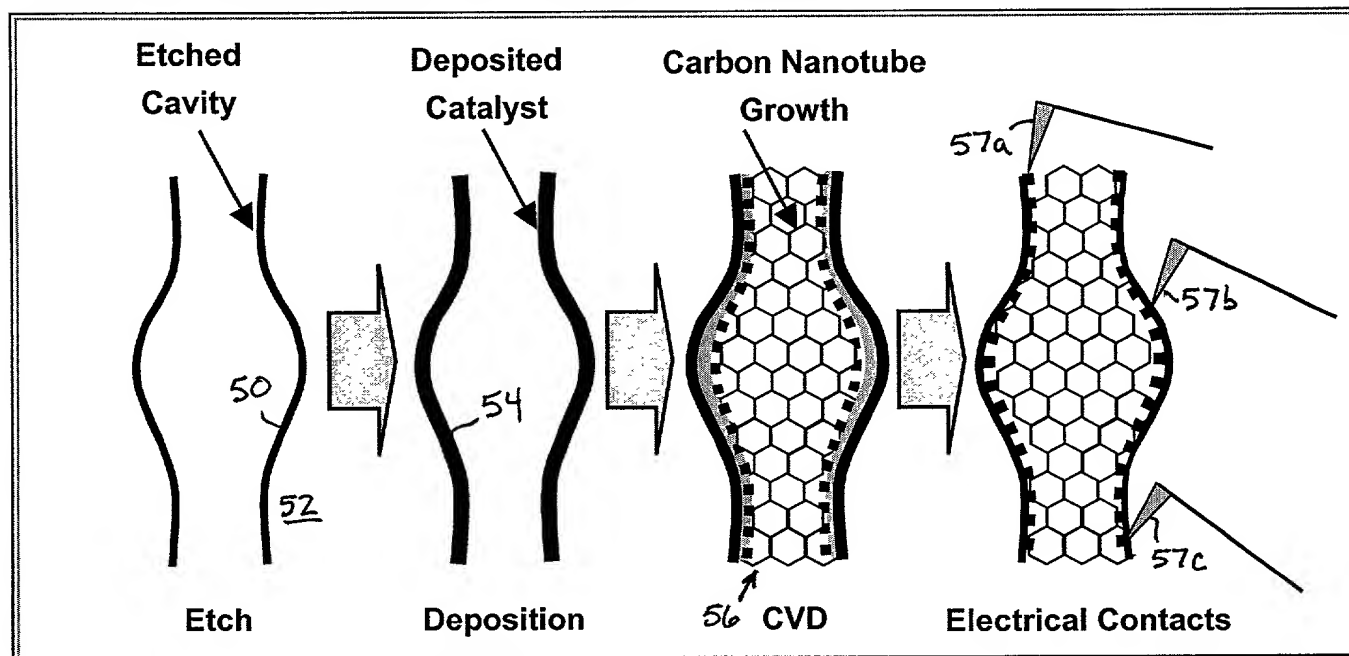
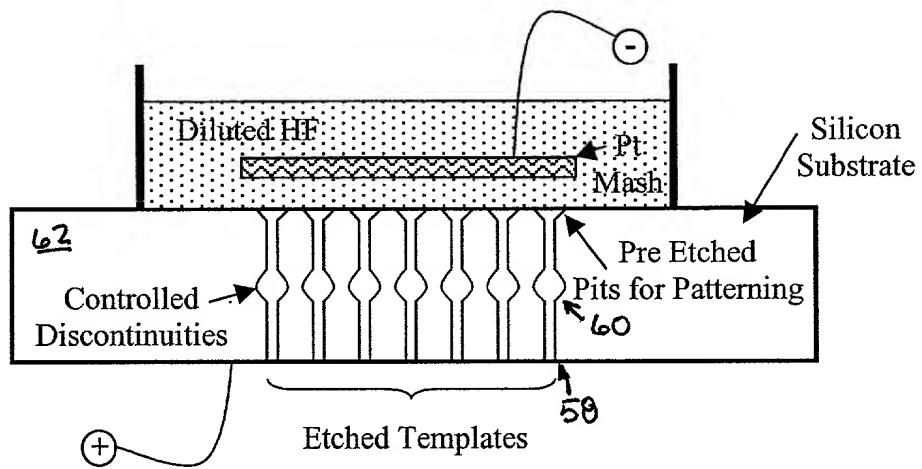


Figure 3



**Figure 4**

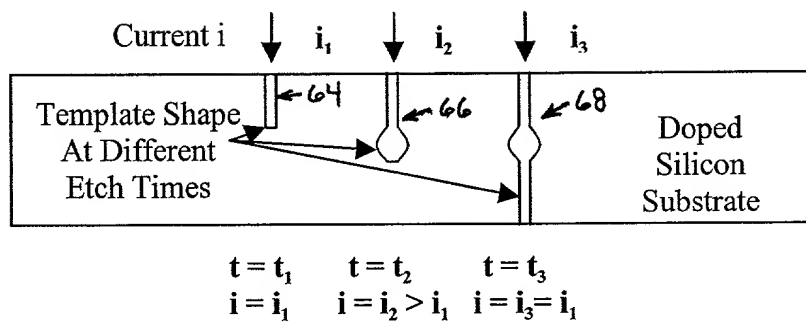
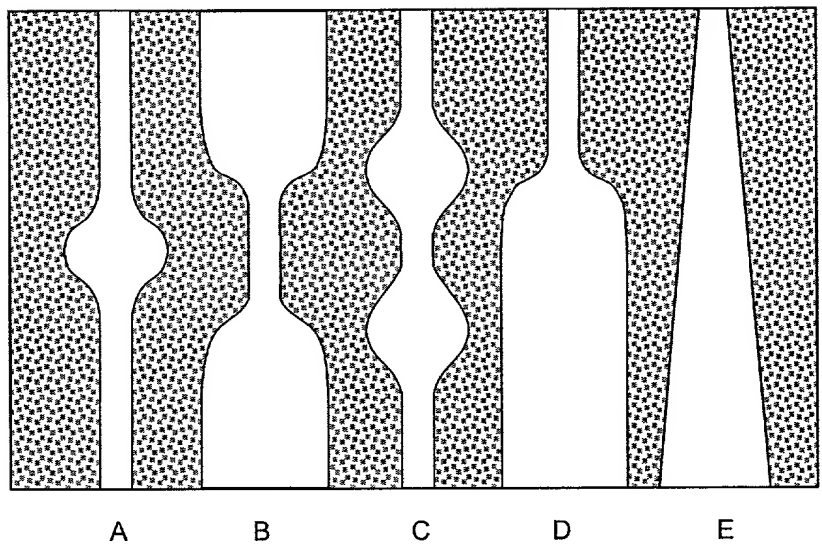
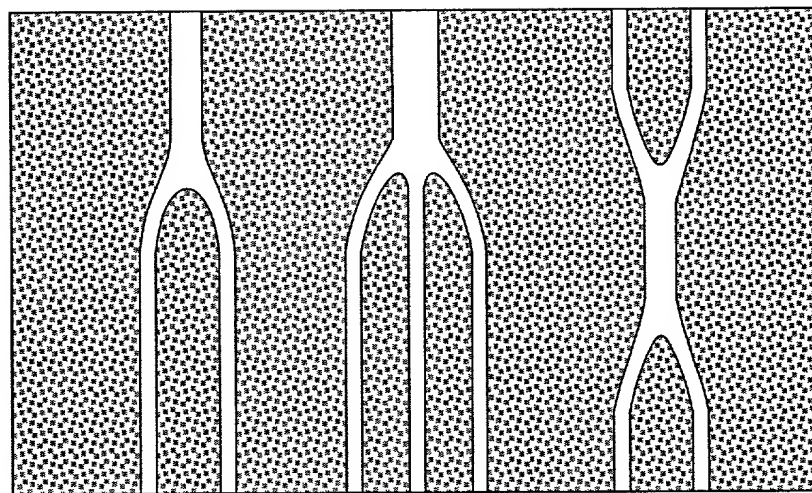


Figure 5

Figure 6 shows five diagrams (A, B, C, D, E) illustrating the cross-sections of a structure with a central void. The diagrams show the progression of the void's shape and position from left to right.



**Figure 6**

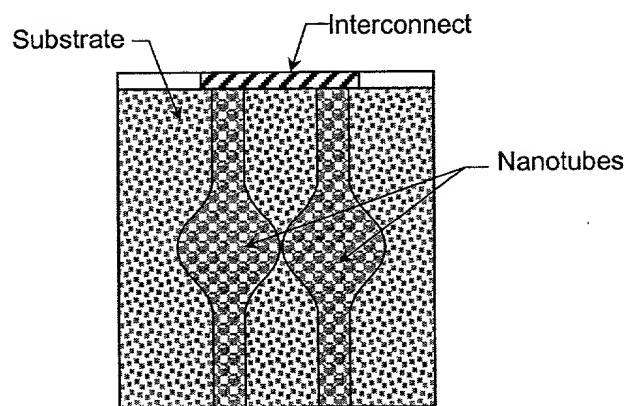


A

B

C

**Figure 7**



**Figure 8**



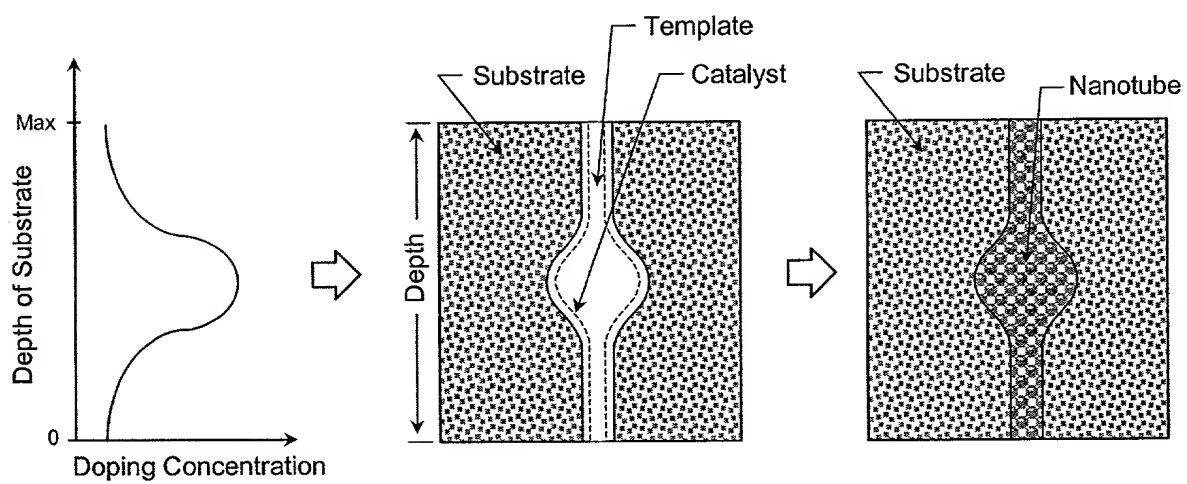


Figure 9

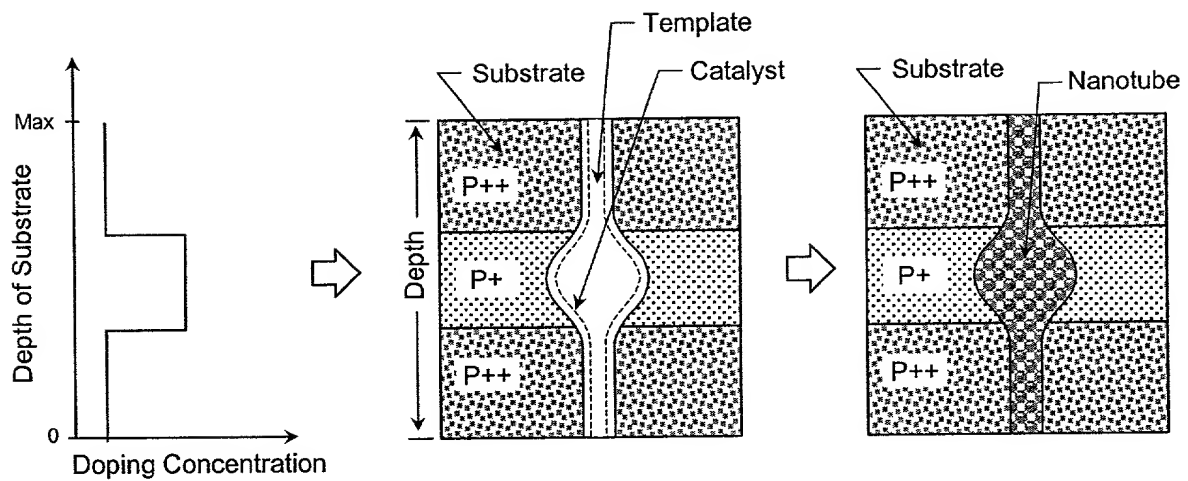
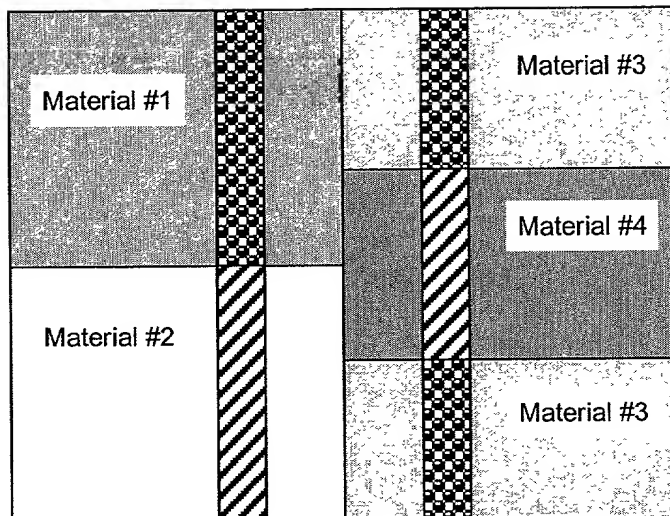


Figure 10



**Figure 11**

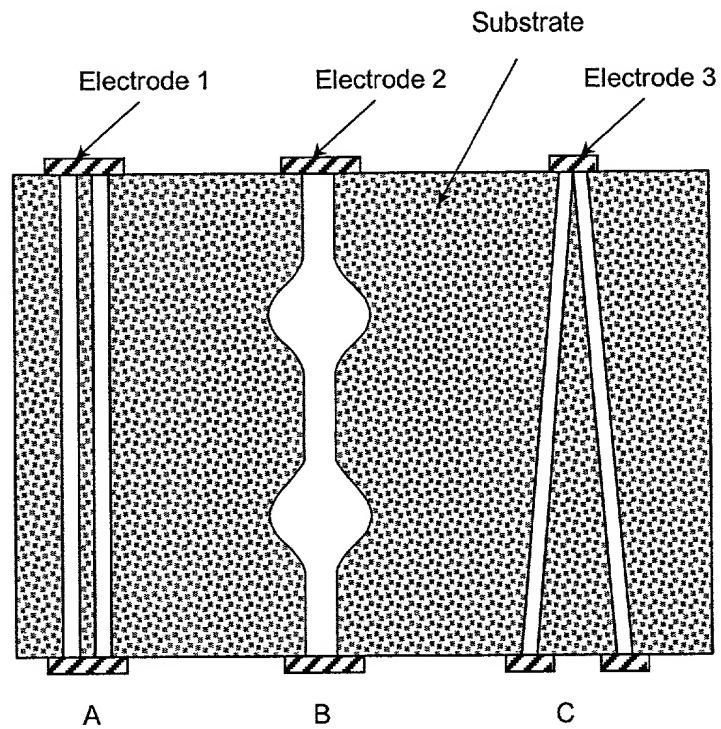
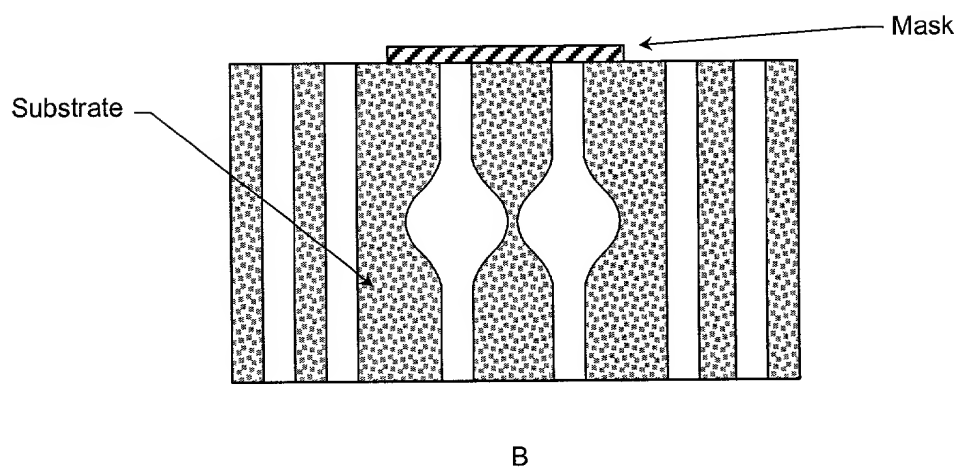
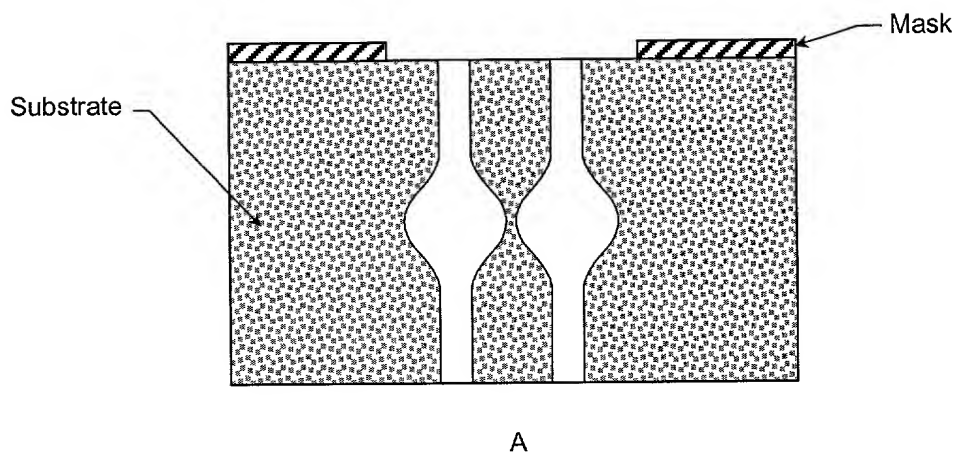


Figure 12



**Figure 13**